

Shopping Cart App

Deliverables:

- Record your entire screen from the time you're reading this document to the time you have completed the code and upload it to google drive and share the link to that for us to review. You **shouldn't** make any changes to the codebase after you have stopped recording the screen.
- A **README** file with instructions on how to run the project.

Objective:

Create a simple React application that allows users to add products to a shopping cart, update quantities, and track their progress towards earning a free gift.

Requirements:

1. Display Products:

- Use the given **PRODUCTS** constant to render a list of products.
- Each product should have a quantity selector with **+** and **-** buttons and an "Add to Cart" button.

2. Shopping Cart:

- Display the cart below the products.
- Allow users to update product quantities in the cart.
- Allow users to remove products from the cart.

3. Free Gift Rule:

- If the cart subtotal reaches **THRESHOLD** (1000), add the **FREE_GIFT** product automatically.
- Show a progress bar above the cart indicating how much more needs to be added before the free gift is unlocked.
- Ensure only **one** free gift is added, and it cannot be removed manually.
- Make sure the cart gift item is removed if the cart value goes below the Threshold value

4. State Management:

- Use React's built-in state management (useState, useEffect).
- Maintain separate states for products and cart.

5. User Experience:

- Show a message when the free gift is added.

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- Ensure smooth interactions for adding/removing items.



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Restrictions

- Use of AI tools like ChatGPT and Gemini are **strictly prohibited**.
- Use of Google is allowed, but **copying and pasting code** isn't.
- You can't copy and paste code from your own personal projects as well.
- **Use of external packages/libraries are also not allowed**. You can use Next.js if you want to initialise the project, but nothing more than that.

Code for Data (CodePen):

```
const PRODUCTS = [  
  { id: 1, name: "Laptop", price: 500 },  
  { id: 2, name: "Smartphone", price: 300 },  
  { id: 3, name: "Headphones", price: 100 },  
  { id: 4, name: "Smartwatch", price: 150 },  
];
```

```
const FREE_GIFT = { id: 99, name: "Wireless Mouse", price: 0 };  
const THRESHOLD = 1000;
```

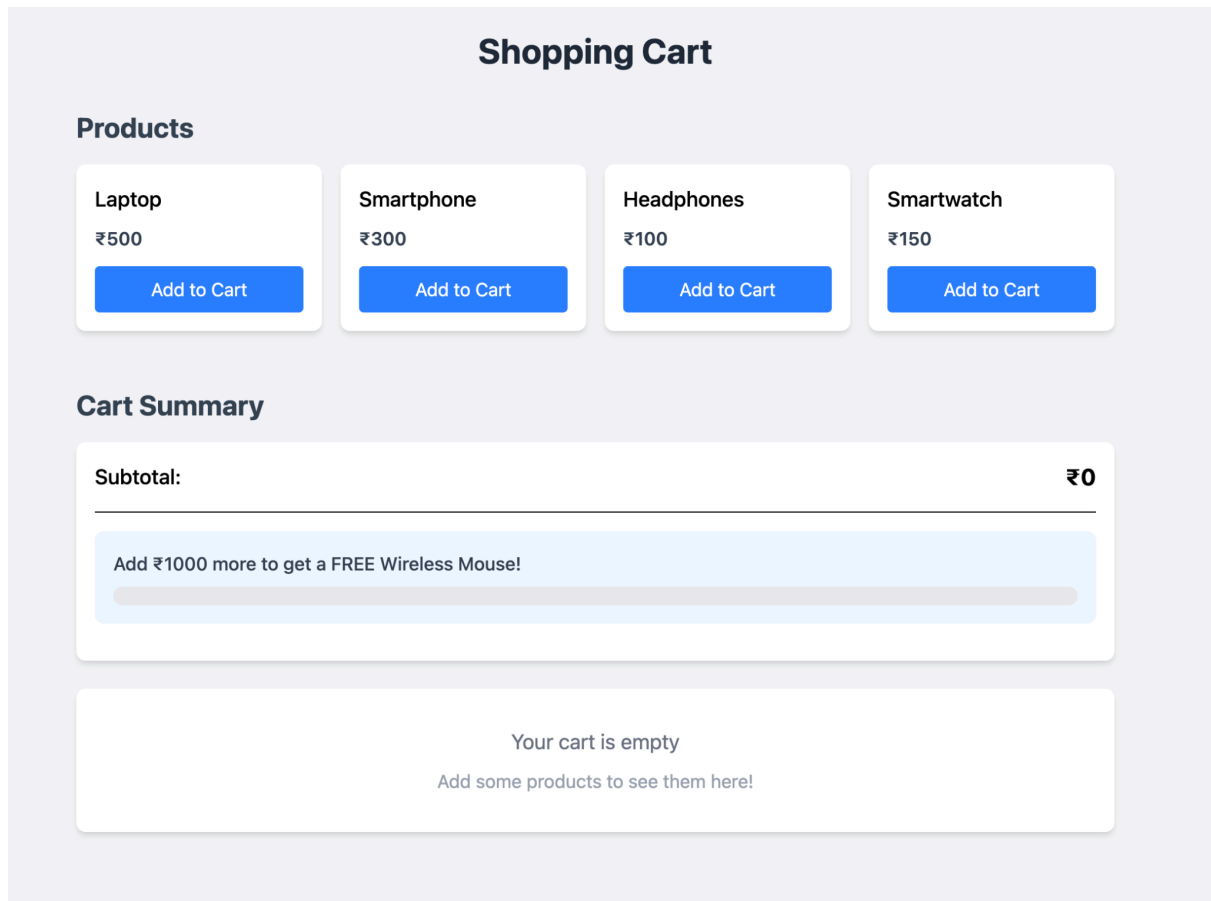
Notes:

- Implement the missing features like the quantity selector, cart updates, and free gift logic.
- You can use any styling approach (CSS, styled-components, Tailwind, etc.).
- Feel free to add more UI enhancements for a better user experience.

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Designs

- Empty state



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- When a product is added to cart

Shopping Cart

Products

Laptop

₹500

Add to Cart

Smartphone

₹300

Add to Cart

Headphones

₹100

Add to Cart

Smartwatch

₹150

Add to Cart

Cart Summary

Subtotal: ₹500

Add ₹500 more to get a FREE Wireless Mouse!

Cart Items

Laptop

₹500 × 1 = ₹500

-

1

+

Shopping Cart App

- When the free gift is applied

Shopping Cart

Products

Laptop
₹500
Add to Cart

Smartphone
₹300
Add to Cart

Headphones
₹100
Add to Cart

Smartwatch
₹150
Add to Cart

Cart Summary

Subtotal: ₹1300

You got a free Wireless Mouse!

Cart Items

Laptop
₹500 × 2 = ₹1000

-

2

+

Smartphone
₹300 × 1 = ₹300

-

1

+

Wireless Mouse
₹0 × 1 = ₹0

FREE GIFT

Submit your assignment in this form

Submission link:

https://forms.ccbp.in/ecloto_design_assignement_submission

Good luck! 🚀